

Part Number System for Pan-Steel® Cable Ties

| | | | | | |
|-------------------------------|------------------------------------|--|---|--|----------------------------|
| MLT | 6 | S | — | CP | |
| Type | Bundle Diameter Reference (In.) | Cross Section | | Standard Package Size | Material |
| MLT = Metal Locking Tie | | S = Standard LH = Light Heavy H = Heavy EH = Extra-Heavy EH15 = Extra-Heavy-15 SH = Super-Heavy | | Q = 25 L* = 50 LP** = 50 CP = 100 *Standard Cross Section **Heavy Cross Section | (blank) = 304 316 = 316 |

Pan-Steel® Self-Locking Cable Ties – MLT Series

- Self-locking head design speeds installation and locks into place at any length along the tie body
- Provides a strong, durable method of cable bundling
- Can be used in a wide range of indoor, outdoor, and underground (including direct burial) applications
- Smooth surfaces and rounded edges assures cable protection and worker safety
- Available in AISI 304 stainless steel for general-purpose applications
- Available in AISI 316 stainless steel for the most corrosive environments



| Part Number | Max. Bundle Diameter | | Length* | | Min. Loop Tensile Strength** | | Min. Bundle Diameter | | Width | | Thickness | | Recommended Installation Tool*** | Std. Pkg. Qty. | Std. Ctn. Qty. |
|-------------|----------------------|----|---------|----|------------------------------|---|----------------------|----|-------|----|-----------|----|----------------------------------|----------------|----------------|
| | In. | mm | In. | mm | Lbs. | N | In. | mm | In. | mm | In. | mm | | | |

AISI 304 Stainless Steel – For General Purpose

Standard Cross Section

| | | | | | | | | | | | | | | | |
|-------------------|------|-----|------|------|-----|-----|------|------|------|-----|-------|------|---------------------------|-----|-----|
| MLT1S-CP | 1.0 | 25 | 5.0 | 127 | 200 | 890 | 0.50 | 12.7 | 0.18 | 4.6 | 0.010 | 0.25 | GS4MT, HTMT, PPTMT, ST2MT | 100 | 500 |
| MLT2S-CP | 2.0 | 51 | 7.9 | 201 | 200 | 890 | 0.50 | 12.7 | 0.18 | 4.6 | 0.010 | 0.25 | | 100 | 500 |
| MLT2S-L | 2.0 | 51 | 7.9 | 201 | 200 | 890 | 0.50 | 12.7 | 0.18 | 4.6 | 0.010 | 0.25 | | 50 | 500 |
| MLT2.7S-CP | 2.7 | 69 | 10.2 | 259 | 200 | 890 | 0.50 | 12.7 | 0.18 | 4.6 | 0.010 | 0.25 | | 100 | 500 |
| MLT4S-CP | 4.0 | 102 | 14.3 | 362 | 200 | 890 | 0.50 | 12.7 | 0.18 | 4.6 | 0.010 | 0.25 | | 100 | 500 |
| MLT4S-L | 4.0 | 102 | 14.3 | 362 | 200 | 890 | 0.50 | 12.7 | 0.18 | 4.6 | 0.010 | 0.25 | | 50 | 500 |
| MLT6S-CP | 6.0 | 152 | 20.5 | 521 | 200 | 890 | 0.50 | 12.7 | 0.18 | 4.6 | 0.010 | 0.25 | | 100 | 500 |
| MLT8S-CP | 8.0 | 203 | 26.8 | 679 | 200 | 890 | 0.50 | 12.7 | 0.18 | 4.6 | 0.010 | 0.25 | | 100 | 500 |
| MLT10S-CP | 10.0 | 254 | 33.0 | 838 | 200 | 890 | 0.50 | 12.7 | 0.18 | 4.6 | 0.010 | 0.25 | | 100 | 500 |
| MLT12S-Q | 12.0 | 304 | 39.3 | 998 | 200 | 890 | 0.50 | 12.7 | 0.18 | 4.6 | 0.010 | 0.25 | | 25 | 125 |
| MLT14S-Q | 14.0 | 355 | 45.5 | 1156 | 200 | 890 | 0.50 | 12.7 | 0.18 | 4.6 | 0.010 | 0.25 | | 25 | 125 |
| MLT15S-Q | 15.0 | 380 | 49.2 | 1250 | 200 | 890 | 0.50 | 12.7 | 0.18 | 4.6 | 0.010 | 0.25 | | 25 | 125 |

*Other lengths available, contact Panduit Customer Service.

**Per SAE Standard AS23190/3 (formerly MIL). For additional details, refer to page B3.32.

***For information on installation tools, refer to pages B3.14 – B3.16.

Table continued on page B3.6

Chemical Resistance at 70°F (21°C) Temperature

| Chemical | % | 304 and 316 Stainless Steel* | Chemical | % | 304 and 316 Stainless Steel* | Chemical | % | 304 and 316 Stainless Steel* | Chemical | % | 304 and 316 Stainless Steel* |
|-----------------------|---------|------------------------------|---------------------|---------|------------------------------|------------------------|---------|------------------------------|--------------------|---------|------------------------------|
| Arsenic Acid | 40 | E | Cider | | E | Methyl Alcohol | 100 | E | Sodium Bisulfate | 10 | E |
| Acetone | 100 | E | Dichloroethane | 100 | E | Methyl Chloride | 100 | E | Sodium Borate | All | E |
| Aluminum Hydroxide | AQ C.S. | E | Diethyl Ether | 100 | E | Methyl Ethyl Ketone | 100 | E | Sodium Carbonate | 5 | E |
| Ammonium Carbonate | 5 | E | Ethyl Alcohol | 100 | E | Naphtha | 100 | E | Sodium Chlorate | 25 | E |
| Ammonium Hydroxide | 10 | E | Ethyl Chloride | 100 | E | Nitric Acid | 30 – 70 | E | Sodium Chloride | 2 | E |
| Ammonium Nitrate | | E | Ethyl Glycol | 100 | E | Nitrous Acid | 5 | E | Sodium Fluoride | 5 | F |
| Ammonium Sulfate | 10 | S | Ferric Hydroxide | All | E | Oleic Acid | 100 | E | Sodium Hydroxide | 10 | E |
| Barium Carbonate | All | E | Ferric Nitrate | 10 | E | Oxalic Acid | 10 | E | Sodium Hyposulfite | AQ C.S. | E |
| Barium Chloride | 5 | E | Ferrous Sulfate | 10 | E | Paraffin | 100 | E | Sodium Nitrate | 5 | E |
| Barium Sulfate | 10 | E | Fuel Oil | 100 | E | Petroleum Ether | 100 | E | Sodium Nitrite | AQ C.S. | E |
| Barium Sulfide | 10 | E | Furfural | 100 | E | Phenol | 90 | E | Sodium Percolate | 10 | E |
| Benzene | 100 | E | Gallic Acid | AQ C.S. | E | Phosphoric Acid | 10 | E | Sodium Phosphate | 5 | E |
| Benzoic Acid | 100 | E | Gasoline | 100 | E | Picric Acid | 1 | S | Sodium Sulfate | 5 | E |
| Butyric Acid | 50 | E | Glycerine | 100 | E | Potassium Bromide | AQ C.S. | S | Sodium Thiosulfate | 5 | S |
| Calcium Carbonate | AQ C.S. | E | Hydrocyanic Acid | All | E | Potassium Carbonate 1% | — | E | Stearic Acid | 100 | E |
| Calcium Chlorate | 10 | E | Hydrogen Peroxide | 30 | E | Potassium Chlorate | AQ C.S. | E | Sulfur | 100 | E |
| Calcium Hydroxide | 20 | E | Hydrogen Sulfide | Dry | E | Potassium Dichromate | 40 | E | Sulfur Dioxide | All | E |
| Calcium Hydrochlorite | 2 | F | Iodoform | 100 | E | Potassium Ferrocyanide | 25 | E | Sulfuric Acid | 100 | E |
| Calcium Sulfate | 2 | E | Isopropyl Alcohol | 100 | E | Potassium hydroxide | 5 | E | Sulfuric Acid | 5 | F |
| Carbon Tetrachloride | — | — | Jet Fuel | 100 | E | Potassium Iodide | All | E | Tannic Acid | 10 | E |
| Chlorine (Wet) | — | F | Lactic Acid | 100 | E | Potassium Nitrate | 50 | E | Tartaric Acid | 50 | E |
| Chlorine (Dry) | — | F | Lanolin | 10 | E | Potassium Permanganate | 5 | E | Tetrahydrofuran | 100 | E |
| Chloroacetic Acid | 30 | F | Lead Acetate | 5 | E | Potassium Sulfate | 5 | E | Toluene | 100 | F |
| Chloroform | 100 | E | Magnesium Carbonate | All | E | Potassium Sulfide | AQ C.S. | E | Xylene | 100 | E |
| Chromic Acid | 5 | E | Magnesium Chloride | 10 | F | Propyl Alcohol | 100 | E | Zinc Chloride | 70 | E |
| Citric Acid | 50 | E | Magnesium Nitrate | All | E | Silver Nitrate | 10 | E | Zinc Nitrate | AQ C.S. | E |
| Copper Cyanide | 10 | E | Malic Acid | AQ C.S. | E | Sodium Acetate | 60 | E | Zinc Sulfate | AQ C.S. | E |
| Copper Nitrate | 50 | E | Mercury | 100 | E | Sodium Bicarbonate | All | E | | | |

* E = Excellent, S = Satisfactory, F = Fair, AQ C.S. = Aqueous Cold Saturated, All = All % Concentrations.

A. System Overview

B1. Cable Ties

B2. Cable Accessories

B3. Stainless Steel Ties

C1. Wiring Duct

C2. Surface Raceway

C3. Abrasion Protection

C4. Cable Management

D1. Terminals

D2. Power Connectors

D3. Grounding Connectors

E1. Labeling Systems

E2. Labels

E3. Pre-Printed & Write-On Markers

E4. Permanent Identification

E5. Lockout/Tagout & Safety Solutions

F. Index

| A. System Overview | Part Number | Page Number | Part Number | Page Number | Part Number | Page Number |
|---------------------------------------|-----------------|--------------|-----------------|--------------|-----------------|-------------|
| B1. Cable Ties | DMNF2-63FIMB-K | D1.136 | DNF14-250FI-L | D1.45 | DNG18-187FB-3K | D1.122 |
| | DMNF2-63FIMX-2K | D1.137 | DNF14-250FIB-3K | D1.123 | DNG18-187FB-C | D1.43 |
| | DMNF2-63M-3K | D1.137 | DNF14-250FIB-C | D1.44, D1.45 | DNG18-188FB-3K | D1.122 |
| B2. Cable Accessories | DMNF2-63M-C | D1.59 | DNF14-250FIM-2K | D1.128 | DNG18-188FB-C | D1.43 |
| | DMNF6-63FI-L | D1.57 | DNF14-250FIM-L | D1.44 | DNG18-250FB-3K | D1.122 |
| | DMNF6-63M-L | D1.59 | DNF14-250FIMB-K | D1.128 | DNG18-250FB-L | D1.43 |
| | DMNF2485FIBX-2K | D1.134 | DNF14-250FIMB-Q | D1.44 | DNG18-250FL-3K | D1.123 |
| | DMNF2488FIBX-2K | D1.134 | DNF14-250M-3K | D1.129 | DNG18-250FL-L | D1.44 |
| | DMNF6-63FI-L | D1.57 | DNF14-250M-C | D1.52 | DNH10-250FI-E | D1.47 |
| B3. Stainless Steel Ties | DMNF6-63FIB-2K | D1.133 | DNF14205FIBX-2K | D1.124 | DNH14-250FIB-Q | D1.47 |
| | DMNF6-63M-2K | D1.137 | DNF14206FIBX-2K | D1.124 | DNH14-250FIM-Q | D1.47 |
| | DMNF6-63M-L | D1.59 | DNF14206FIBX-L | D1.45 | DNH18-250FIB-Q | D1.47 |
| C1. Wiring Duct | DMNFR1485FIB-KD | D1.134 | DNF14250FIBX-2K | D1.124 | DNH18-250FIM-Q | D1.47 |
| | DMNFR1488FIB-KD | D1.134 | DNF14250FIMX-L | D1.45 | DNT-100 | C1.34 |
| | DMNFR163FIB-KD | D1.134 | DNF14250FIMX-2K | D1.128 | DPF10-250FI-L | D1.46 |
| C2. Surface Raceway | DMNFR2485FIB-KD | D1.134 | DNF18-110-C | D1.47 | DPF10-250FIB-2K | D1.126 |
| | DMNFR2488FIB-KD | D1.134 | DNF18-110FIB-3K | D1.123 | DPF10-250FIB-L | D1.46 |
| | DMNG1-485FB-3K | D1.132 | DNF18-110FIB-C | D1.45 | DPF14-187FIB-3K | D1.126 |
| C3. Abrasion Protection | DMNG1-63FB-3K | D1.132 | DNF18-111-C | D1.47 | DPF14-205FIB-3K | D1.126 |
| | DMNG1-63FL-3K | D1.133 | DNF18-111FIB-3K | D1.123 | DPF14-205FIB-C | D1.46 |
| | DMNG2-485FB-3K | D1.132 | DNF18-111FIB-C | D1.45 | DPF14-206FIB-3K | D1.126 |
| | DMNG2-488FB-3K | D1.132 | DNF18-112FIB-3K | D1.123 | DPF14-206FIB-C | D1.46 |
| | DMNG2-63FB-3K | D1.132 | DNF18-187-C | D1.47 | DPF14-250FIB-3K | D1.126 |
| | DMNG2-63FL-3K | D1.133 | DNF18-187FIB-3K | D1.123 | DPF14-250FIB-C | D1.46 |
| C4. Cable Management | DMPF1-285FIB-3K | D1.135 | DNF18-187FIB-C | D1.45 | DPF14-250FIM-2K | D1.127 |
| | DMPF1-288FIB-3K | D1.135 | DNF18-188-C | D1.47 | DPF14-250FIM-L | D1.46 |
| | DMPF1-485FIB-3K | D1.135 | DNF18-188FIB-3K | D1.123 | DPF14-250FIMB-K | D1.127 |
| | DMPF1-488FIB-3K | D1.135 | DNF18-188FIB-C | D1.45 | DPF14-250FIMB-Q | D1.46 |
| | DMPF1-63FIB-3K | D1.135 | DNF18-205-C | D1.47 | DPF18-110FIB-3K | D1.126 |
| | DMPF1-63FIM-2K | D1.136 | DNF18-205FIB-3K | D1.123 | DPF18-110FIB-C | D1.46 |
| D1. Terminals | DMPF1-63FIMB-K | D1.136 | DNF18-205FIB-L | D1.45 | DPF18-111FIB-3K | D1.126 |
| | DMPF2-485FIB-3K | D1.135 | DNF18-206-C | D1.47 | DPF18-111FIB-C | D1.46 |
| | DMPF2-488FIB-3K | D1.135 | DNF18-206FIB-3K | D1.123 | DPF18-187FIB-3K | D1.126 |
| | DMPF2-63FIB-3K | D1.135 | DNF18-206FIB-L | D1.45 | DPF18-188FIB-3K | D1.126 |
| | DMPF2-63FIM-2K | D1.136 | DNF18-250-C | D1.47 | DPF18-205FIB-3K | D1.126 |
| | DMPF2-63FIMB-K | D1.136 | DNF18-250FI-L | D1.45 | DPF18-205FIB-C | D1.46 |
| D2. Power Connectors | DMPF2-63FIMX-2K | D1.136 | DNF18-250FIB-3K | D1.123 | DPF18-206FIB-3K | D1.126 |
| | DMPF6-63FIB-2K | D1.135 | DNF18-250FIB-C | D1.44, D1.45 | DPF18-206FIB-C | D1.46 |
| | DMV1-37MB-3K | D1.139 | DNF18-250FIM-2K | D1.128 | DPF18-250FIB-3K | D1.126 |
| | DMV1-485B-3K | D1.135 | DNF18-250FIM-L | D1.44 | DPF18-250FIB-C | D1.46 |
| | DMV1-488B-3K | D1.135 | DNF18-250FIMB-K | D1.128 | DPF18-250FIM-2K | D1.127 |
| | DMV1-63B-3K | D1.135 | DNF18-250FIMB-L | D1.44 | DPF18-250FIM-L | D1.46 |
| D3. Grounding Connectors | DMV1-63MB-3K | D1.138 | DNF18-250M-3K | D1.129 | DPF18-250FIMB-K | D1.127 |
| | DMV1-63P-LY | D1.59 | DNF18-250M-C | D1.52 | DPF18-250FIMB-L | D1.46 |
| | DMV2-37MB-3K | D1.139 | DNF18205FIBX-2K | D1.124 | DR10-250-L | D1.50 |
| | DMV2-485B-3K | D1.135 | DNF18205FIBX-L | D1.45 | DR14-205-C | D1.50 |
| | DMV2-488B-3K | D1.135 | DNF18206FIBX-2K | D1.124 | DR14-205B-C | D1.51 |
| | DMV2-63B-3K | D1.135 | DNF18206FIBX-L | D1.45 | DR14-206-C | D1.50 |
| E1. Labeling Systems | DMV2-63MB-3K | D1.138 | DNF18250FIBX-2K | D1.124 | DR14-206B-C | D1.51 |
| | DMV2-63P-L | D1.59 | DNF18250FIBX-L | D1.45 | DR14-250-C | D1.50 |
| | DMV6-63-2K | D1.135 | DNF18250FIMX-2K | D1.128 | DR14-250B-C | D1.51 |
| | DMV6-63-L | D1.58 | DNFR14-205B-L | D1.50 | DR18-205-C | D1.50 |
| | DMV6-63M-2K | D1.138 | DNFR14-205FIB-L | D1.49 | DR18-205B-C | D1.51 |
| | DNF10-250FI-L | D1.44, D1.45 | DNFR14-206B-L | D1.50 | DR18-206-C | D1.50 |
| E2. Labels | DNF10-250FIB-2K | D1.123 | DNFR14-206FIB-L | D1.49 | DR18-206B-C | D1.51 |
| | DNF10-250FIB-L | D1.45 | DNFR14-250B-L | D1.50 | DR18-250-C | D1.50 |
| | DNF10-250FIMB-K | D1.128 | DNFR14-250FIB-L | D1.49 | DR18-250B-C | D1.51 |
| | DNF10-250FIMB-Q | D1.44 | DNFR14205FIB-KD | D1.124 | DRD22LG6 | C1.5 |
| | DNF10-250M-2K | D1.129 | DNFR14206FIB-KD | D1.124 | DRD33LG6 | C1.5 |
| | DNF10-250M-L | D1.52 | DNFR14250FIB-KD | D1.124 | DRD44LG6 | C1.5 |
| E3. Pre-Printed & Write-On Markers | DNF10250FIBC-2K | D1.123 | DNFR18-205B-L | D1.50 | DRDC2LG6 | C1.5 |
| | DNF14-110-C | D1.47 | DNFR18-205FIB-L | D1.49 | DRDC3LG6 | C1.5 |
| | DNF14-111-C | D1.47 | DNFR18-206B-L | D1.50 | DRDC4LG6 | C1.5 |
| | DNF14-187-C | D1.47 | DNFR18-206FIB-L | D1.49 | DRDCS2-X | C1.5 |
| | DNF14-187FIB-3K | D1.123 | DNFR18-250B-L | D1.50 | DRDCS3-X | C1.5 |
| | DNF14-187FIB-C | D1.45 | DNFR18-250FIB-L | D1.49 | DRDCS4-X | C1.5 |
| E4. Permanent Identification | DNF14-188-C | D1.47 | DNFR18205FIB-KD | D1.124 | DRDSF-C | C1.5 |
| | DNF14-188FIB-3K | D1.123 | DNFR18206FIB-KD | D1.124 | DRDWR2-X | C1.5 |
| | DNF14-188FIB-C | D1.45 | DNFR18250FIB-KD | D1.124 | DRDWR3-X | C1.5 |
| | DNF14-205-C | D1.47 | DNG14-187FB-3K | D1.122 | DRDWR4-X | C1.5 |
| | DNF14-205FIB-3K | D1.123 | DNG14-187FB-L | D1.43 | DS1 | C3.18 |
| | DNF14-205FIB-C | D1.45 | DNG14-188FB-3K | D1.122 | DS5 | C3.18 |
| E5. Lockout/Tagout & Safety Solutions | DNF14-206-C | D1.47 | DNG14-188FB-L | D1.43 | DSF-NP | D1.144 |
| | DNF14-206FIB-3K | D1.123 | DNG14-250FB-3K | D1.122 | DSF-RS | D1.144 |
| | DNF14-206FIB-C | D1.45 | DNG14-250FB-L | D1.43 | DT14EH-L0 | B1.53 |
| | DNF14-206C | D1.47 | DNG14-250FL-3K | D1.123 | DT15EH-L0 | B1.53 |
| | DNF14-206FIB-3K | D1.123 | DNG14-250FL-L | D1.44 | DT28EH-C0 | B1.53 |
| | DNF14-206FIB-C | D1.45 | | | | |